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Metadastore

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The beamlines at NSLS-II are among the highest instrumented, and controlled of any worldwide. Each beamline can produce unstructured data sets in various formats. This data should be made available for data analysis and processing for beamline scientists and users. Various data flow systems are in place in numerous synchrotrons, however these are very domain specific and cannot handle such unstructured data. We have developed a data flow service, metadastore, that manages experimental data in NSLS-II beamlines. This service enables data analysis and visualization clients to access this service either directly or via databroker api in a consistent and partition tolerant fashion, providing a reliable and easy to use interface to our state-of-the-art beamlines.

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